METHODS FOR PROGRESSIVE ENCODING AND MULTIPLEXING OF WEB PAGES

5 ABSTRACT

The method, system, and program product enable a receiving-side user to speedily obtain important information in tree-structured documents even if the size of the received tree structure is large. This is accomplished by setting a node priority with respect to each of nodes of a tree-structured document. The priority is set based on the basis of the importance of an information portion presented from the node to a receiving-side user. Node stream generation means generate a node stream in which nodes and/or subtrees of a tree-structured document to be transmitted are arranged in sequence according to node priorities. Transmitting means send the node stream to tree-structured document receiving apparatus via a network. In tree-structured document receiving apparatus, extraction means extract the nodes and/or subtrees in the node stream according to the sequence of arrangement, and reconstruction means add the nodes and/or subtrees in the extraction order to the tree-structured document under reconstruction. Display means display the tree-structured document in the current reconstructed state.

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